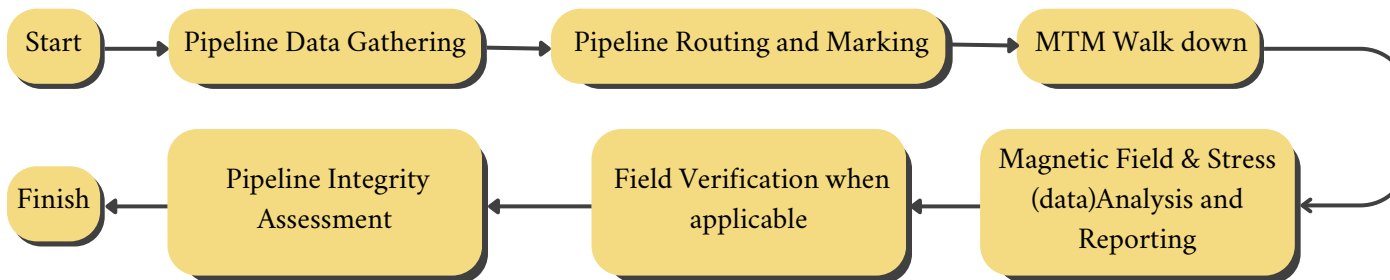


## MTM-G TECHNOLOGY - NON CONTACT INSPECTION FOR UNPIGABLE PIPELINES

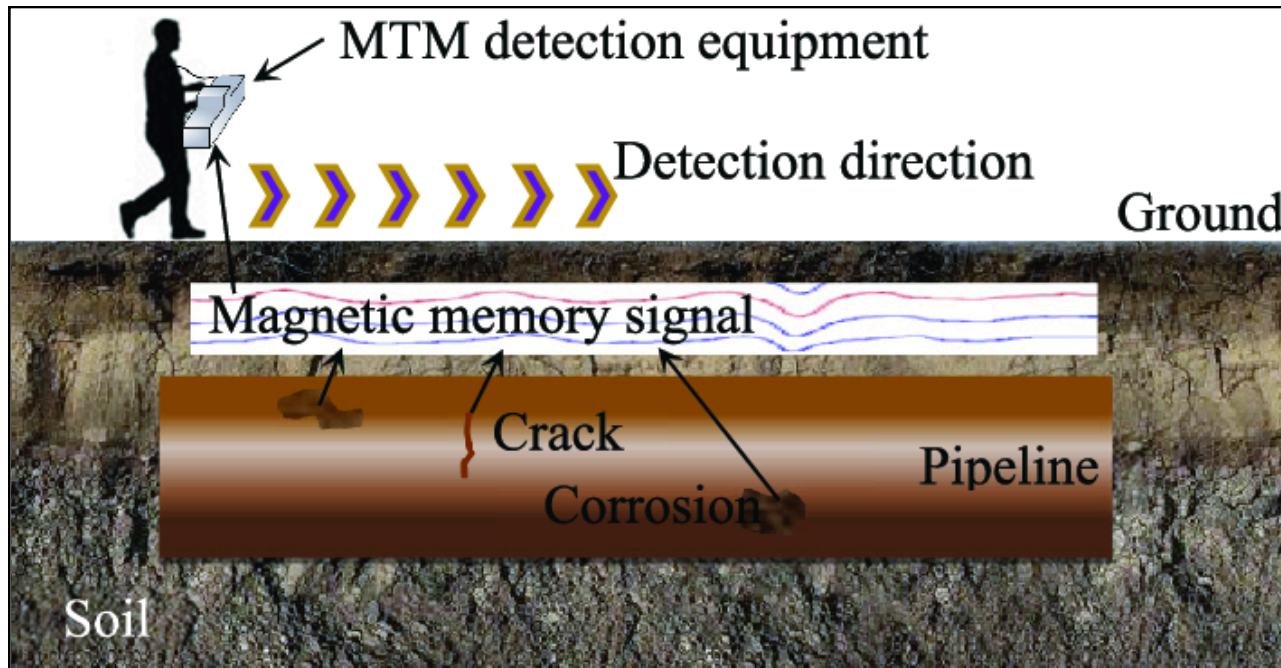
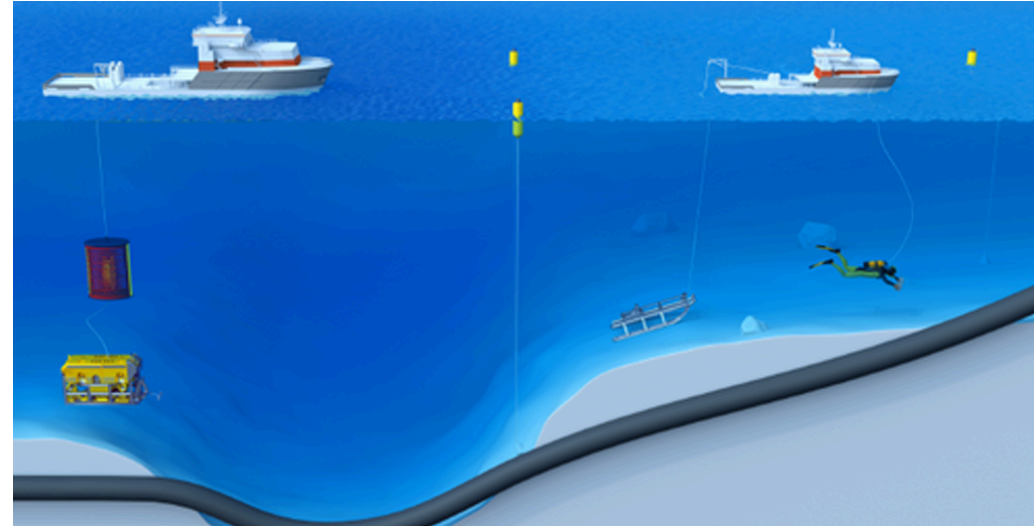
As oil and gas demand remains high despite price fluctuations, maintaining asset integrity is more important than ever. MTM-G offers a non contact solution to monitor the real condition of both aboveground, underground and underwater pipelines. By measuring the magnetic field strength of a pipeline, MTM-G is able to locate stress concentration areas and tell the danger level at those locations

### Process of MTM-G Technology



## Benefits of MTM-G Technology

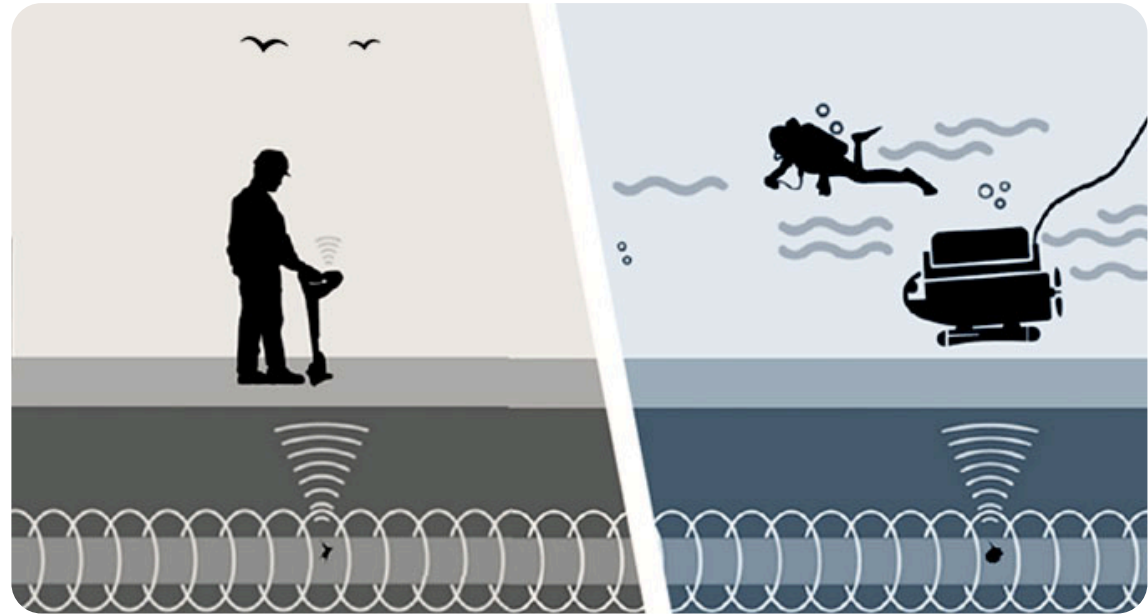
- No interruption to pipeline operation.
- No contact with pipeline surface.
- No limit to length of pipeline.
- Cost-effective.
- No special preparation or modification.
- No minimum or maximum operating pressure required.
- Applicable to all ferro-magnetic pipelines including tight turns and small diameter.



## Principles Features

- Magnetic gradient measurements in 3D space.
- Gradient capabilities may potentially allow to increase the outstanding distance for up to 25times of pipe diameter (25D)
- Danger degree, F and Stress Concentration Factor will be provided based on failure criteria and anomaly
- For low (0) pressure (no flow) pipelines, survey can be performed with minimum Probability Of Detection at

Criteria Signature	POD
Hoop Stress Criteria	80%
Longitudinal Stress Criteria	85%
Safety Design Stress	95%



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